

Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

LiDAR 10' Contour

LiDAR 2' Contour

USGS 10' Contour

USGS 2' Contour

New Access Route

Existing Access Route

Temporary Construction Pad

Temporary Area of Disturbance - Construction Pad

Erosion and Sedimentation Control BMPs

Erosion and Sedimentation Control BMPs (Steep Slope)

Temporary Wetlands Matting

Permanent Impacts - Stations

Vegetation Clearing Areas

Span Stream with No Permanent Impacts

UG Disturbance Area

UG Splice Vaults

Lay Down Yard

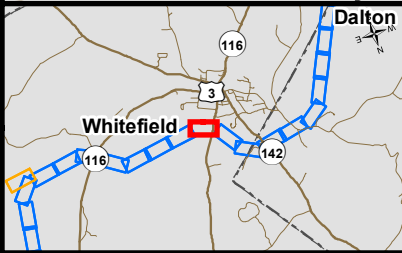
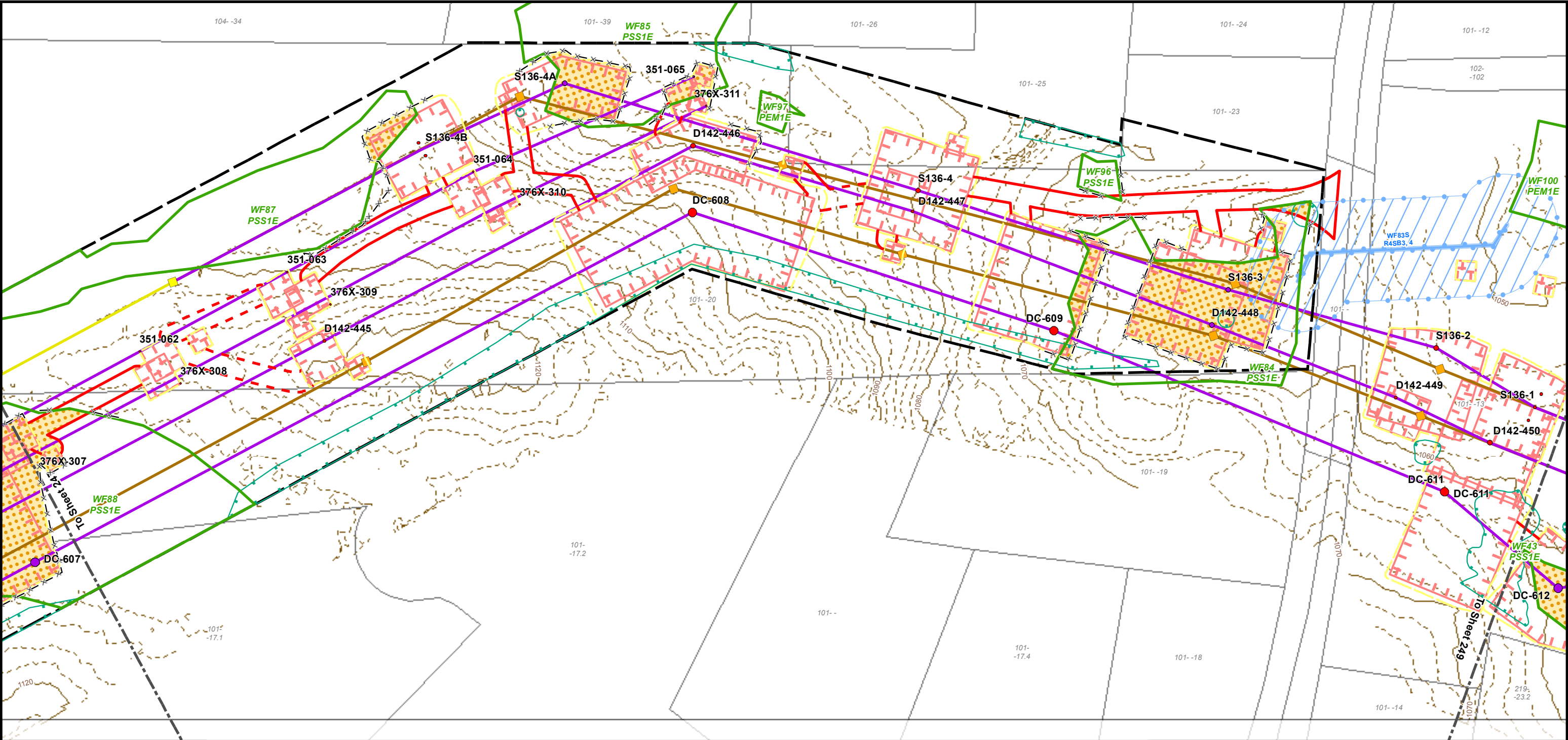
RTE Bars

- Animal
- Vegetation
- Both

1 inch equals 100 feet when printed at 11" x 17"

NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)			
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
WF100, PEM1E	0	0	0	170	0	
WF84, PSS1E	16,124	39				
WF85, PSS1E	5,579	23				
WF87, PSS1E	1,259	0				
WF88, PSS1E	2,423	0				
WF96, PSS1E	33	0				
WF97, PEM1E	0	0				
WF83S, R4SB3, 4	0	0				

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
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Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

Proposed Conditions

- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour

Proposed Conditions

- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations

Proposed Conditions

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts

Proposed Conditions

- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard

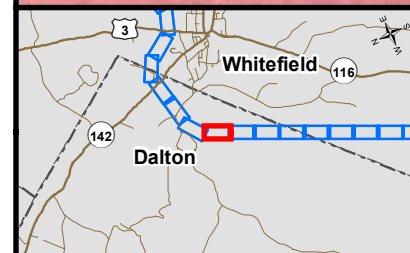
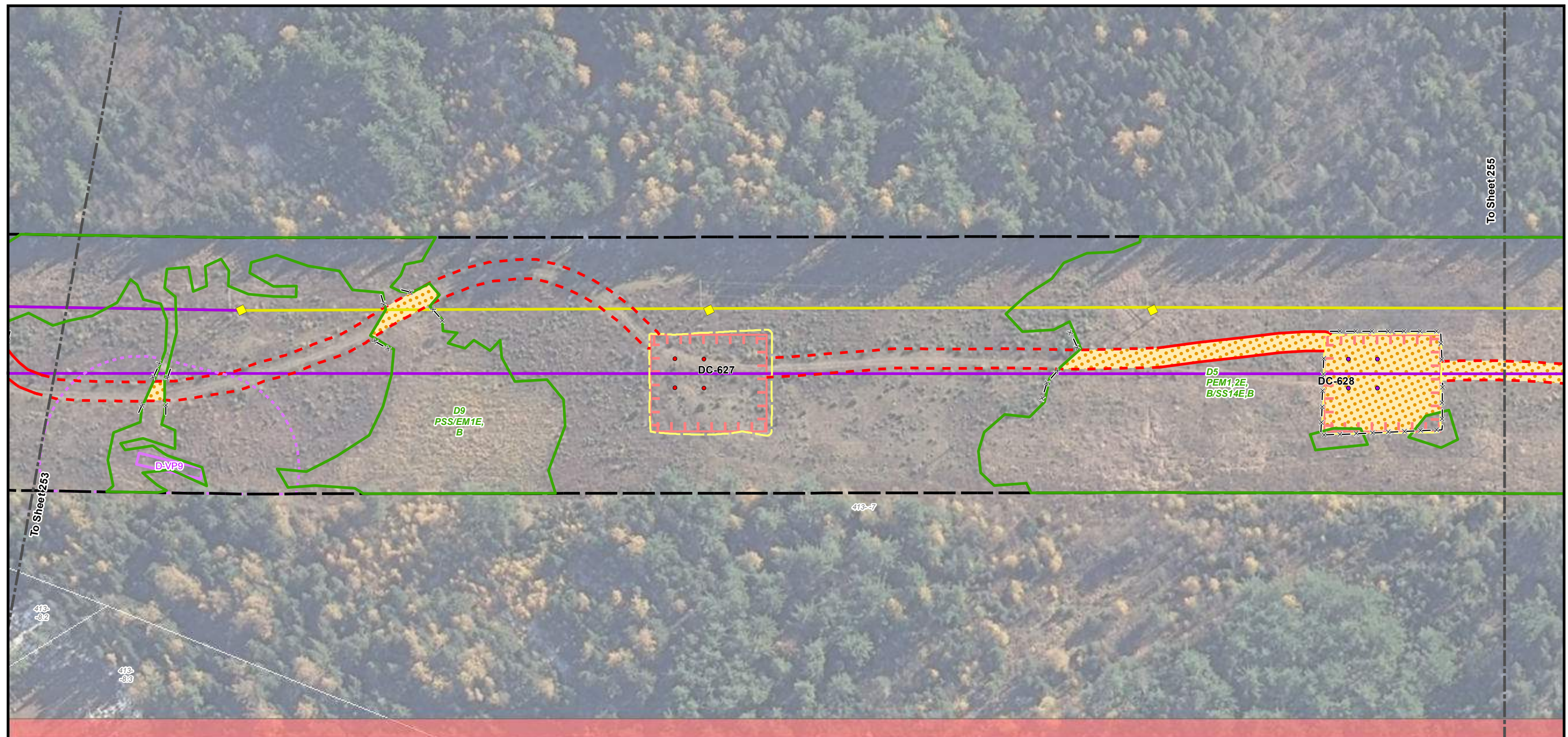
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- Vegetation
- Both









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NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
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Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)			
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WF88, PSS1E	2,423	0				
WF96, PSS1E	33	0				
WF97, PEM1E	0	0				
WF83S, R4SB3, 4	0	0				
				</		

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.















Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

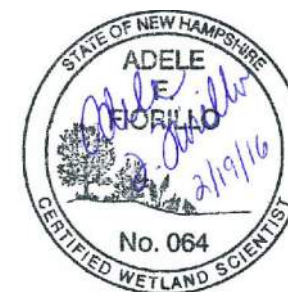
-  Vernal Pool
 -  100' Buffer of Vernal Pools
 -  Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
-  Perennial
 -  Intermittent
 -  Ephemeral
- Stream Centerlines**
-  Perennial
 -  Intermittent
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-
- LiDAR 10' Contour
 - LiDAR 2' Contour
 - USGS 10' Contour
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 - Proposed Structure - No Permanent Impact
 - Proposed Structure - Permanent Impact
 - Proposed New ROW
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-  Temporary Wetlands Matting
-  Permanent Impacts - Stations

-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts
- RTE Bars**
-  Animal
-  Vegetation
-  Both

-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard



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**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

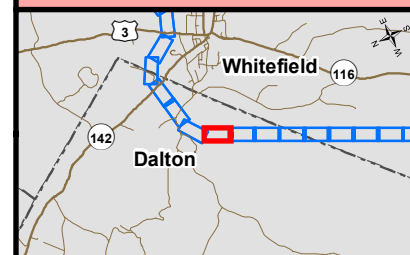
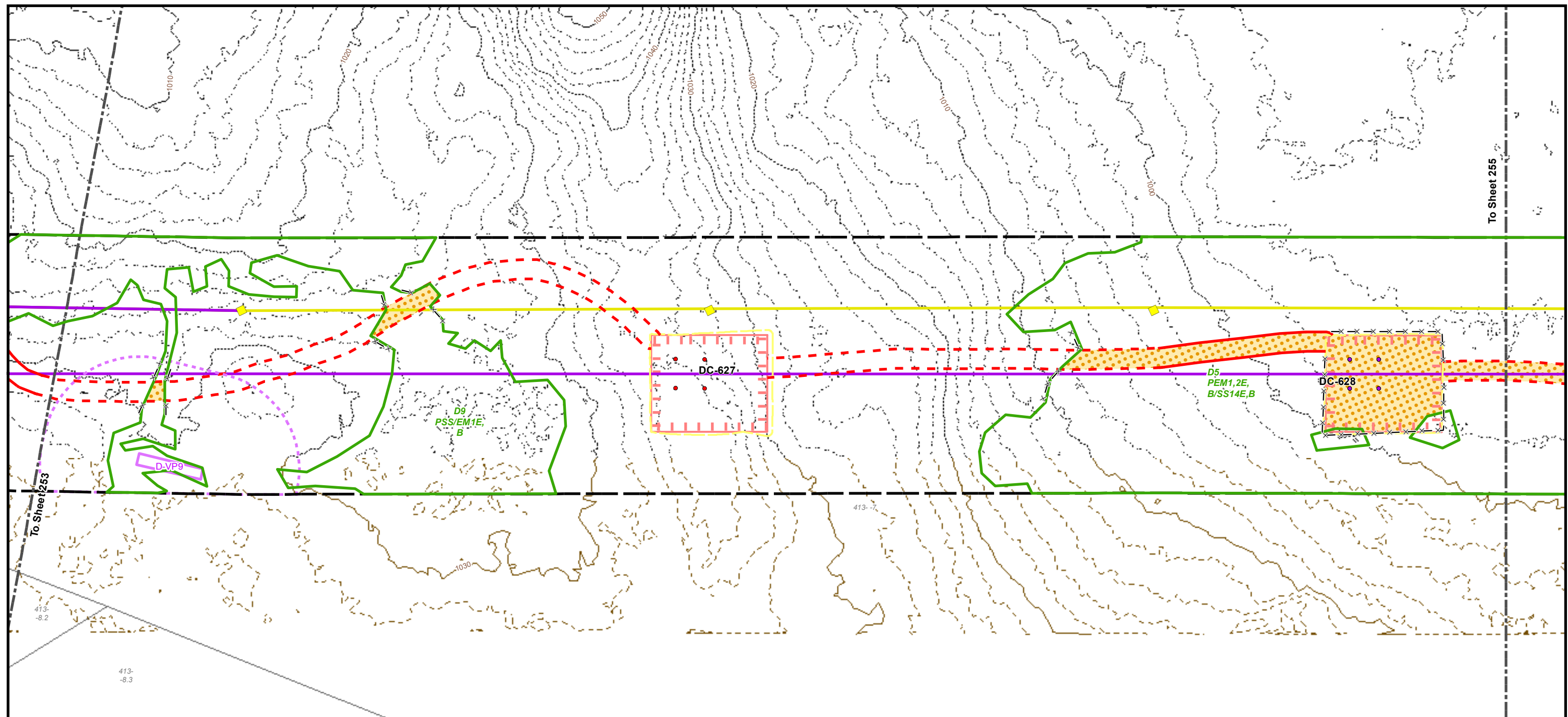
THE NORTHERN PASS PROPOSED ROUTE

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Date: 2/19/2016

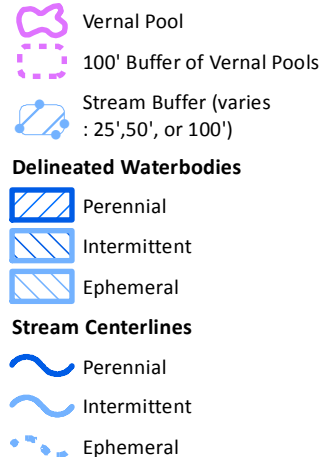
* High Quality Wetland, ^ Corps

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Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands



-  LiDAR 10' Contour
-  LiDAR 2' Contour
-  USGS 10' Contour
-  USGS 2' Contour

Proposed Conditions

-
-  Proposed Structure - No Permanent Impact
 Proposed Structure - Permanent Impact
 Proposed New ROW
 Proposed Transmission/Distribution Line
 Trenched UG
 Trenchless UG
 Erosion and Sedimentation Control BMPs
 Erosion and Sedimentation Control BMPs (Steep Slope)
 Temporary Wetlands
 Matting
 Permanent Impacts - Stations
- 1 inch equals 100 feet
when printed at 11" x 17"

- Vegetation Clearing Areas

UG Disturbance Area

Span Stream with No Permanent Impacts

UG Splice Vaults

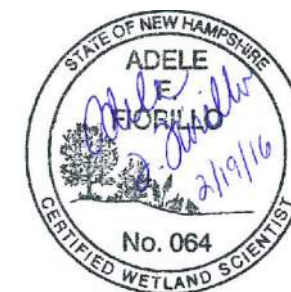
Lay Down Yard

RTE Bars

Animal

Vegetation

Both



1 inch equals 100 feet
when printed at 11" x 17"



**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

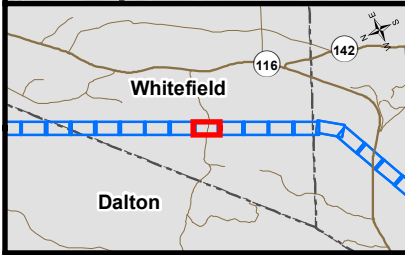
THE NORTHERN PASS PROPOSED ROUTE

[illegible]

Date: 2/19/2016

* High Quality Wetland, ^ Corps

Sheet : 254



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

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Proposed Conditions

- Proposed Structure - No Permanent Impact
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LiDAR 10' Contour

LiDAR 2' Contour

USGS 10' Contour

USGS 2' Contour

New Access Route

Existing Access Route

Temporary Construction Pad

Temporary Area of Disturbance - Construction Pad

Erosion and Sedimentation Control BMPs

Erosion and Sedimentation Control BMPs (Steep Slope)

Temporary Wetlands Matting

Permanent Impacts - Stations

Vegetation Clearing Areas

Span Stream with No Permanent Impacts

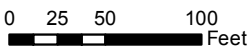
RTE Bars

- Animal
- Vegetation
- Both

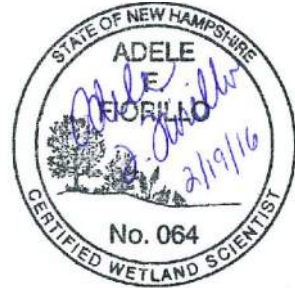
UG Disturbance Area

UG Splice Vaults

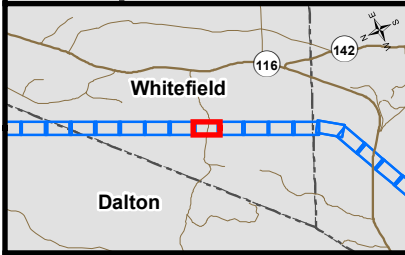
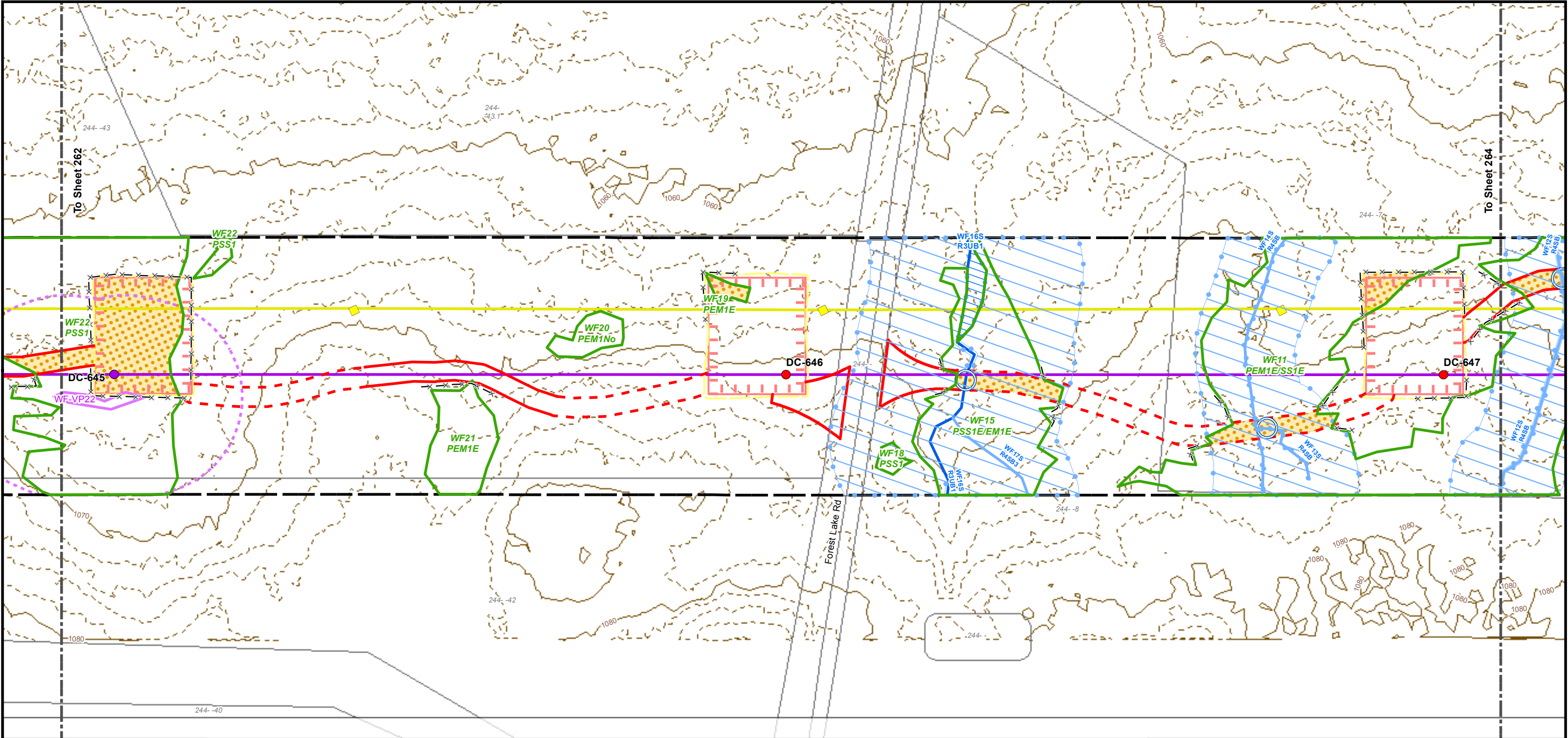
Lay Down Yard



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NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount				Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
WF11*, PEM1E/SS1E	3,829	0	0	0	0	
WF15, PSS1E/EM1E	2,065	0				
WF18, PSS1	0	0				
WF19, PEM1E	721	0				
WF20, PEM1No	0	0				
WF21, PEM1E	3	0				
WF22, PSS1	11,133	64				
WF12S, R4SB	0	0				
WF13S, R4SB	80	0				
WF14S, R4SB	31	0				
WF16S, R3UB1	121	0				
WF17S, R4SB3	0	0				
Date: 2/19/2016	* High Quality Wetland, ^ Corps		Sheet : 263			



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

LiDAR 10' Contour

LiDAR 2' Contour

USGS 10' Contour

USGS 2' Contour

New Access Route

Existing Access Route

Temporary Construction Pad

Temporary Area of Disturbance - Construction Pad

Erosion and Sedimentation Control BMPs

Erosion and Sedimentation Control BMPs (Steep Slope)

Temporary Wetlands Matting

Permanent Impacts - Stations

Vegetation Clearing Areas

Span Stream with No Permanent Impacts

RTE Bars

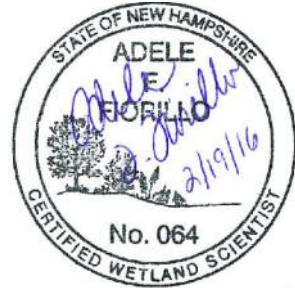
- Animal
- Vegetation
- Both

UG Disturbance Area

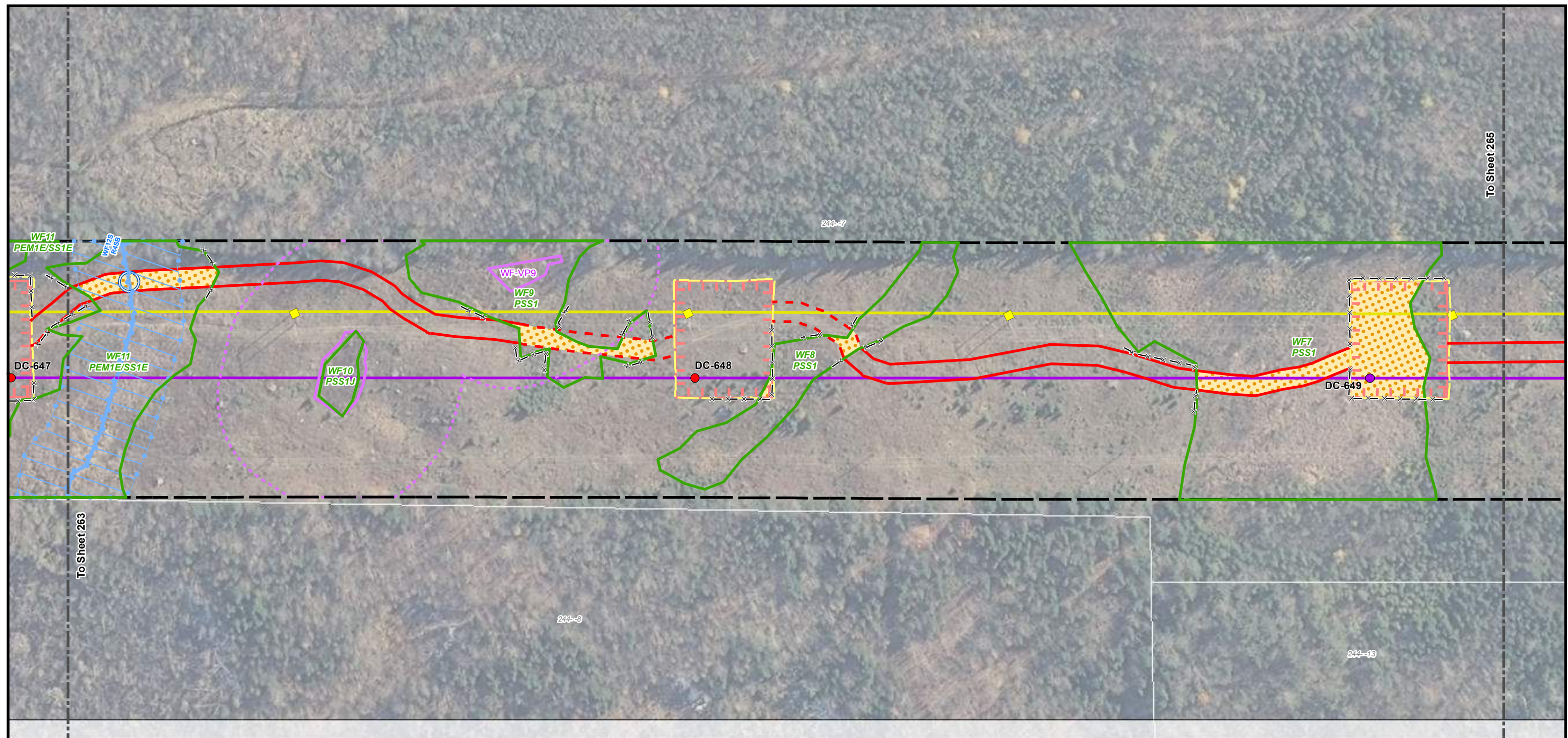
UG Splice Vaults

Lay Down Yard









1 inch equals 100 feet
when printed at 11" x 17"




NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount				Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
WF11*, PEM1E/SS1E	3,829	0	0	0	0	
WF15, PSS1E/EM1E	2,065	0				
WF18, PSS1	0	0				
WF19, PEM1E	721	0				
WF20, PEM1No	0	0				
WF21, PEM1E	3	0				
WF22, PSS1	11,133	64				
WF12S, R4SB	0	0				
WF13S, R4SB	80	0				
WF14S, R4SB	31	0				
WF16S, R3UB1	121	0				
WF17S, R4SB3	0	0				
Date: 2/19/2016	* High Quality Wetland, ^ Corps		Sheet : 263			















Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

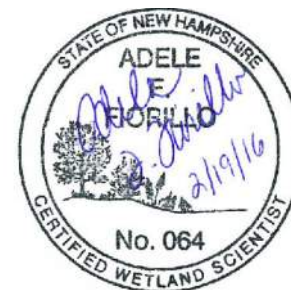
- 
- Vernal Pools**
- 100' Buffer of Vernal Pools
 - Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
- Perennial
 - Intermittent
 - Ephemeral
- Stream Centerlines**
- Perennial
 - Intermittent
 - Ephemeral

-
- Proposed Conditions**
- Proposed Structure - No Permanent Impact
 - Proposed Structure - Permanent Impact
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 - Proposed Transmission Distribution Line
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-  Permanent Impacts - Stations

-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts
- RTE Bars**
-  Animal
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-  Both

-  UG Disturbance Area
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-  Lay Down Yard



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**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

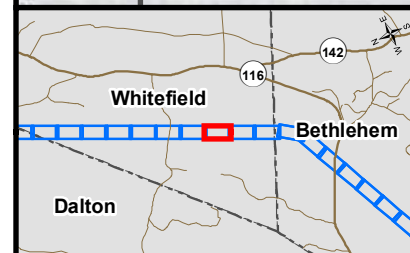
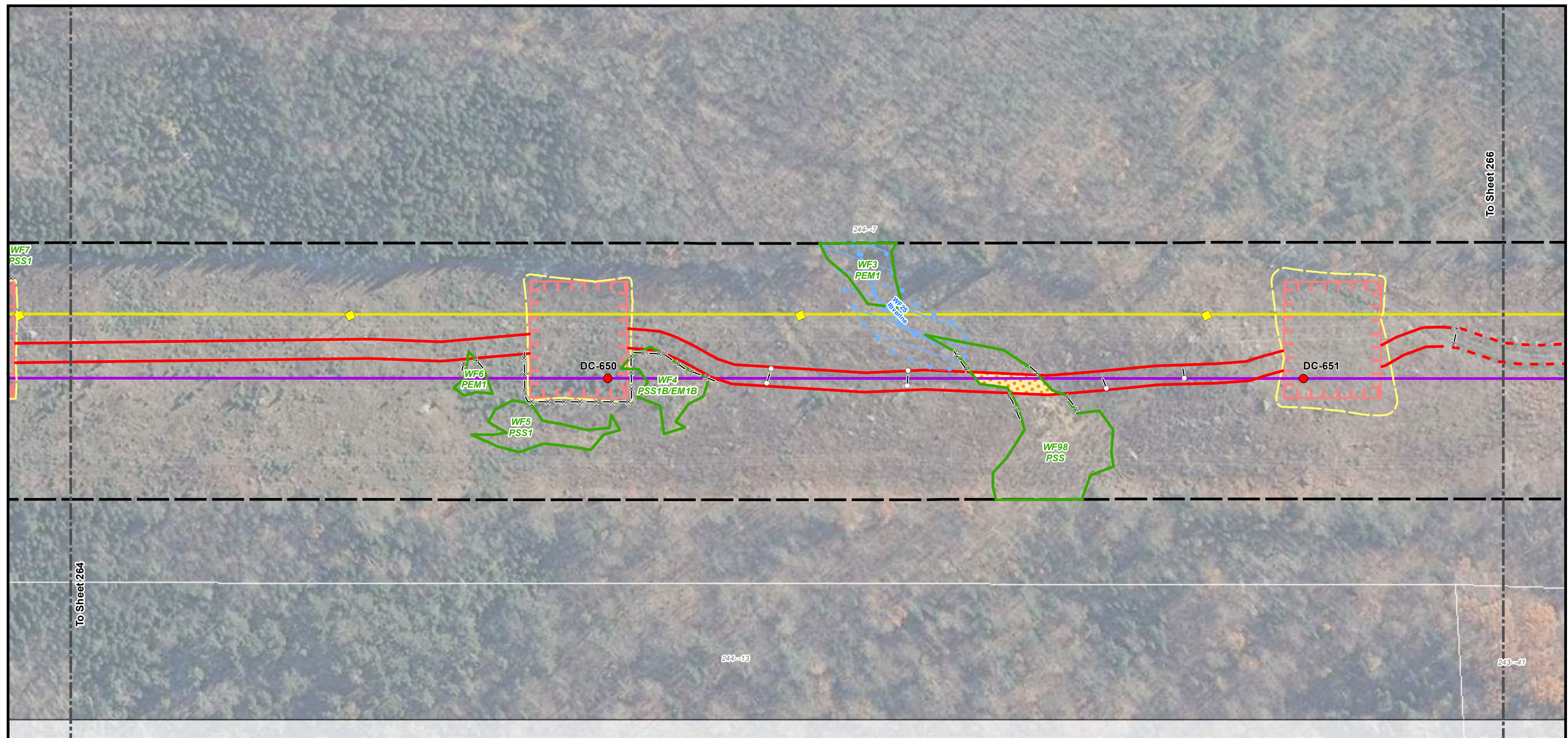
THE NORTHERN PASS PROPOSED ROUTE

Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
WF10, PSS1J	0	0	0	0	0
WF11*, PEM1E/SS1E	2,692	0			
WF7*, PSS1	12,004	64			
WF8, PSS1	682	0			
WF9, PSS1	2,163	0			
WF12S, R4SB	80	0			









Date: 2/19/2016










* High Quality Wetland, ^ Corps


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









Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

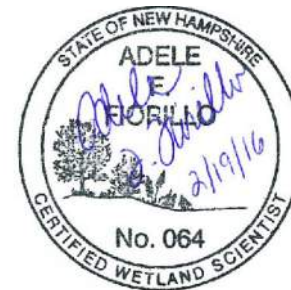
-  Vernal Pool
 -  100' Buffer of Vernal Pools
 -  Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
-  Perennial
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- 
- Proposed Conditions**
- Proposed Structure - No Permanent Impact
 - Proposed Structure - Permanent Impact
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-  Permanent Impacts - Stations

-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts
- RTE Bars**
-  Animal
-  Vegetation
-  Both

-  UG Disturbance Area
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-  Lay Down Yard



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**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

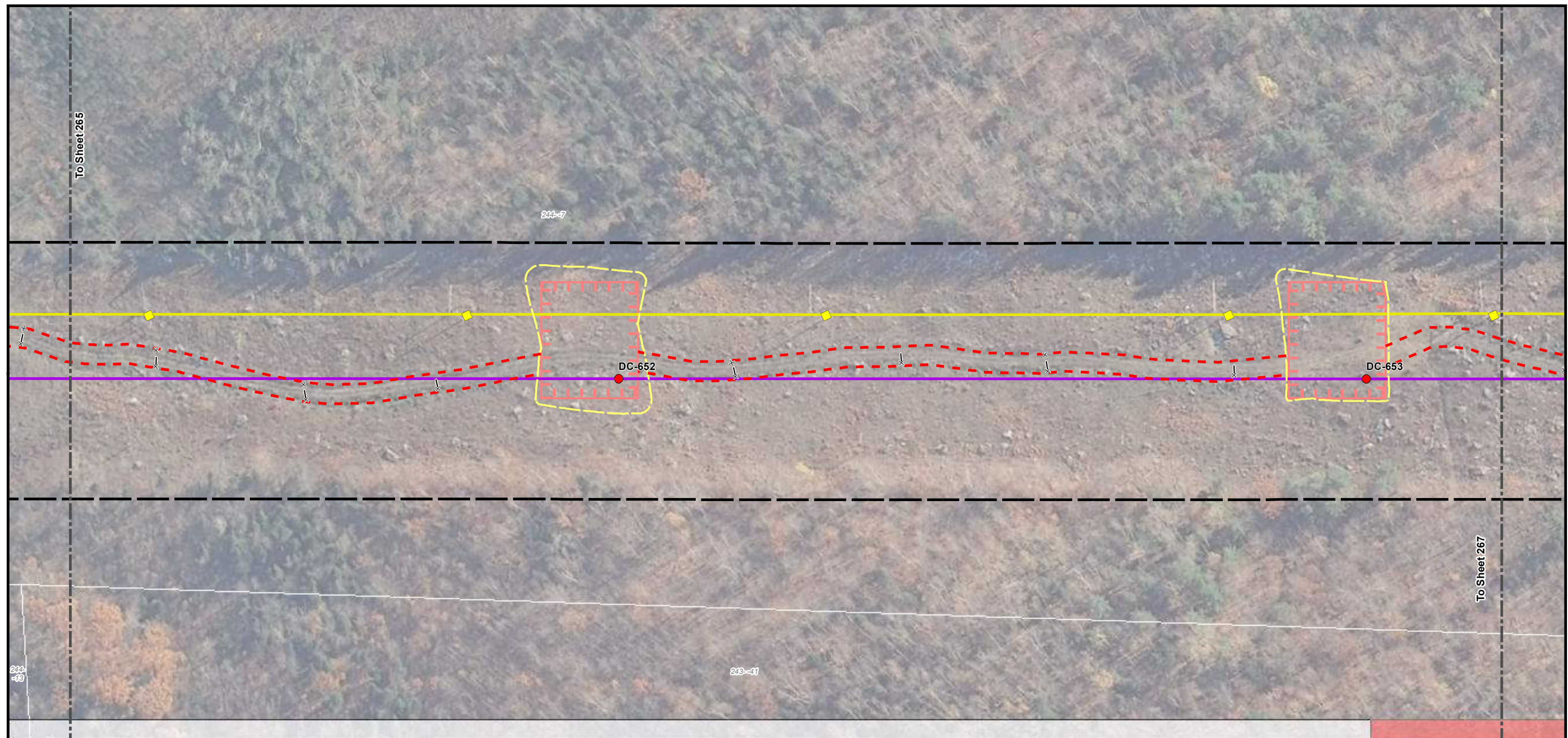
THE NORTHERN PASS PROPOSED ROUTE

Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
WF3, PEM1	0	0	0	0	0
WF4, PSS1B/EM1B	84	0			
WF5, PSS1	0	0			
WF6, PEM1	24	0			
WF98, PSS	1,265	0			
WF2S, Riverine	0	0			









Date: 2/19/2016

* High Quality Wetland, ^ Corps











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Existing Conditions






-  Existing Structure
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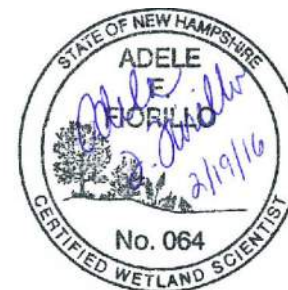
-
-  LiDAR 10' Contour
 LiDAR 2' Contour
 USGS 10' Contour
 USGS 2' Contour
- Proposed Conditions**
 Proposed Structure - No Permanent Impact
 Proposed Structure - Permanent Impact
 Proposed New ROW
 Proposed Transmission/Distribution Line
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-  Permanent Impacts - Stations

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-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts
- RTE Bars**
-  Animal
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-  Both

-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard



**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

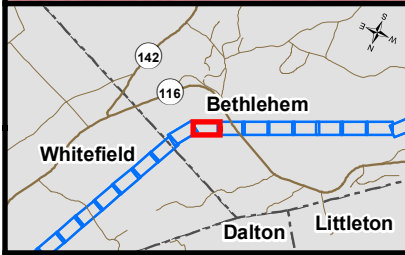
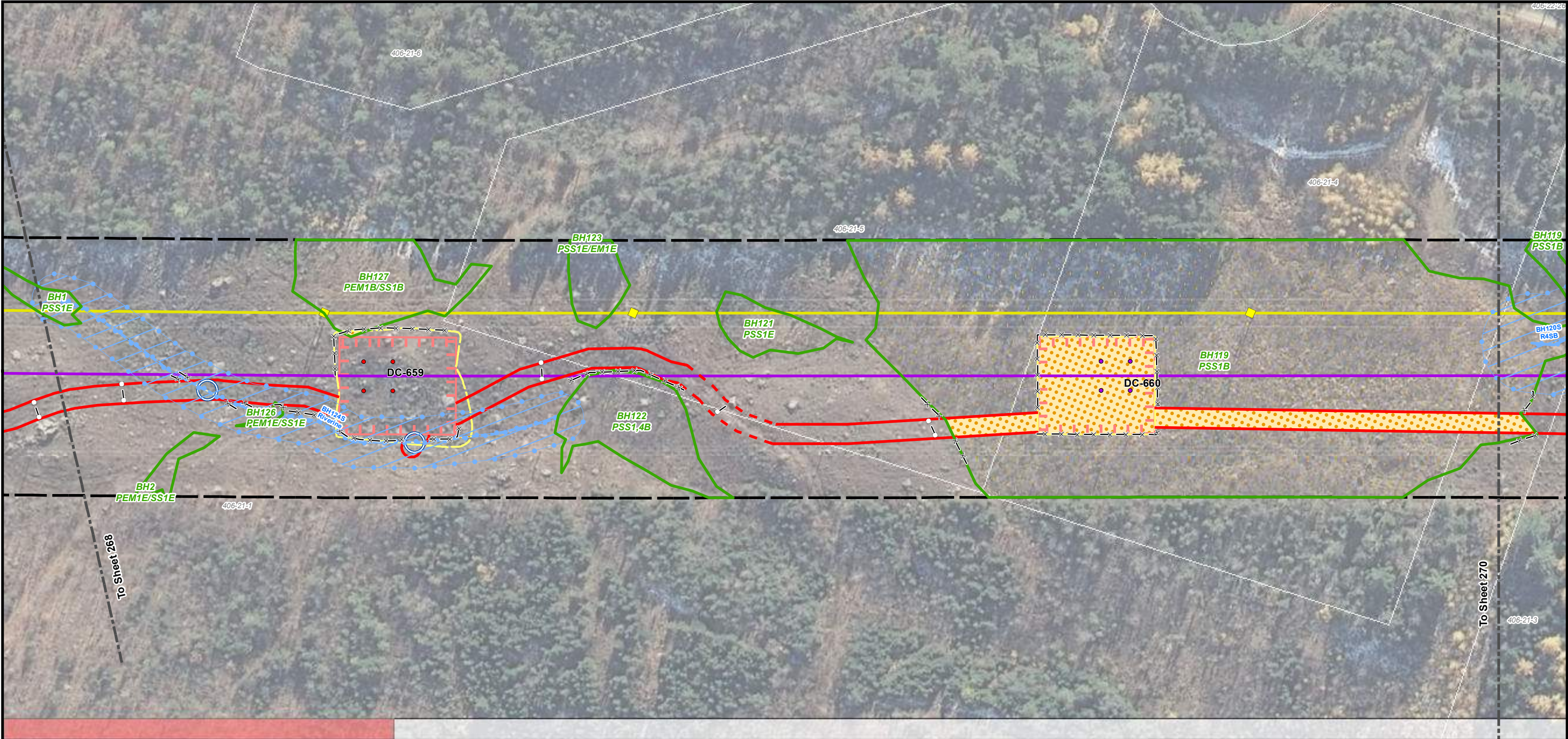
THE NORTHERN PASS PROPOSED ROUTE

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Date: 2/19/2016

* High Quality Wetland, ^ Corps

Sheet : 266



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
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LiDAR 10' Contour

LiDAR 2' Contour

USGS 10' Contour

USGS 2' Contour

New Access Route

Existing Access Route

Temporary Construction Pad

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Temporary Wetlands Matting

Permanent Impacts - Stations

Vegetation Clearing Areas

Span Stream with No Permanent Impacts

RTE Bars

- Animal
- Vegetation
- Both

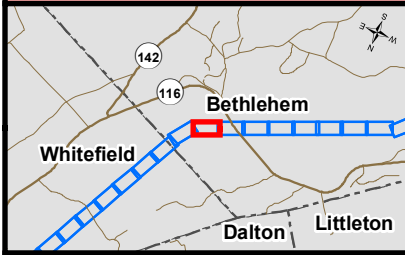
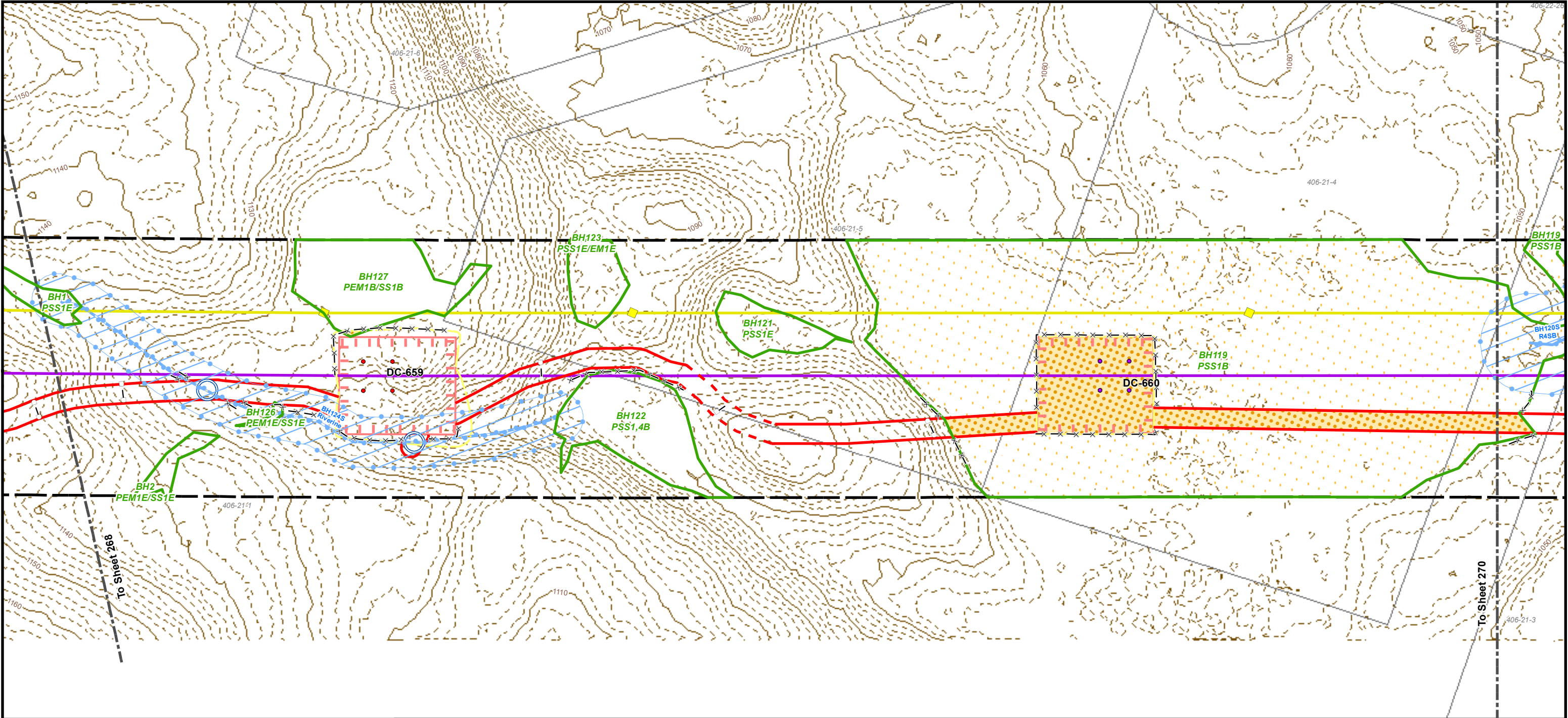
UG Disturbance Area

UG Splice Vaults

Lay Down Yard

NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)			
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
BH1, PSS1E	0	0	0	0	0	
BH119^, PSS1B	20,921	50				
BH121, PSS1E	0	0				
BH122, PSS1,4B	0	0				
BH123, PSS1E/EM1E	0	0				
BH126, PEM1E/SS1E	6	0				
BH127, PEM1B/SS1B	79	0				
BH2, PEM1E/SS1E	0	0				
BH124S, Riverine	270	0				

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

- Vernal Pool
- 100' Buffer of Vernal Pools
- Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
 - Perennial
 - Intermittent
 - Ephemeral
- Stream Centerlines**
 - Perennial
 - Intermittent
 - Ephemeral

- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour

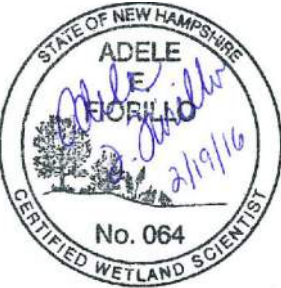
Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- RTE Bars**
 - Animal
 - Vegetation
 - Both

- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard

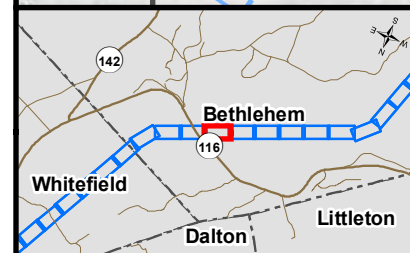
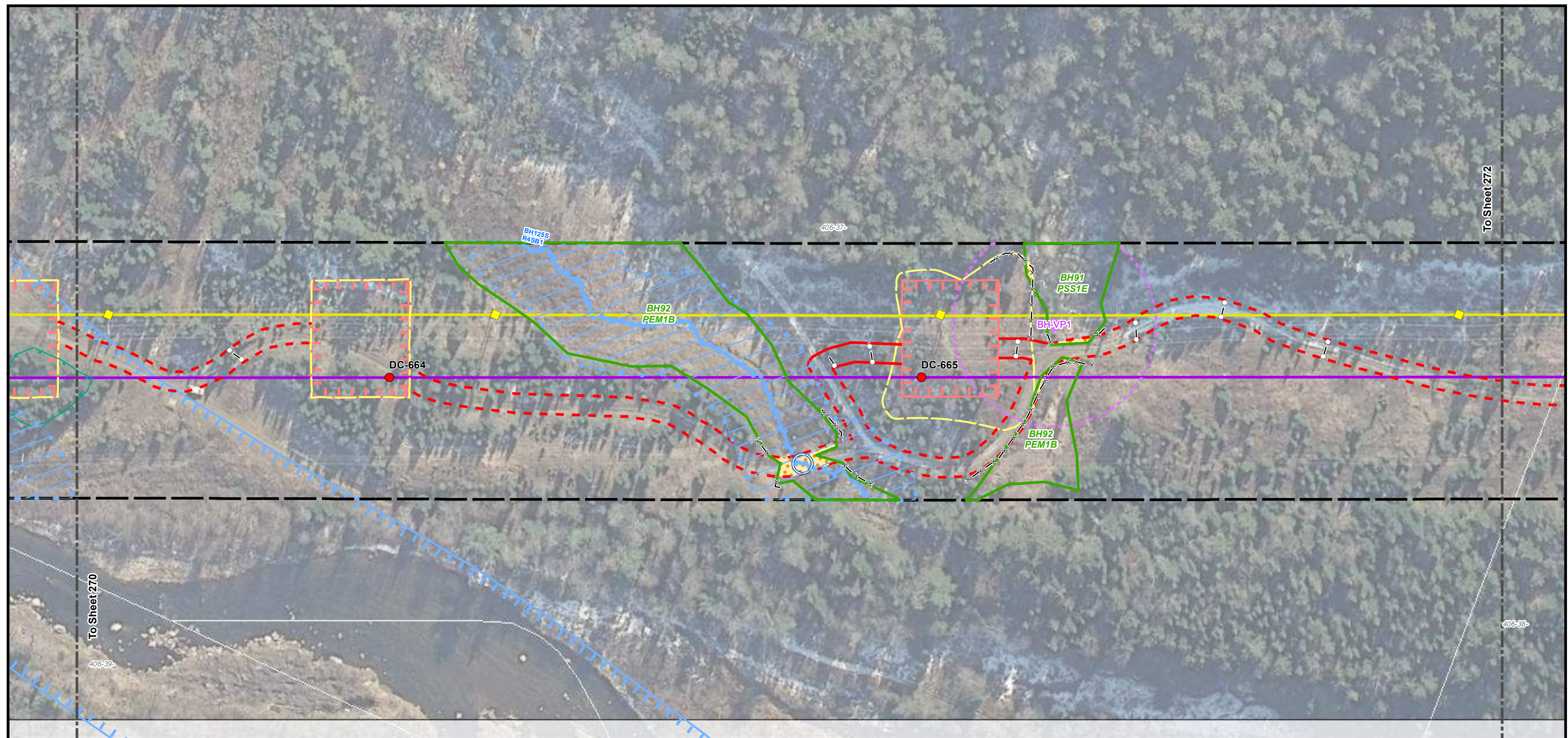


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Section 404/10 Permit Application Plans









THE NORTHERN PASS PROPOSED ROUTE










Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
BH1, PSS1E	0	0	0	0	0
BH119^, PSS1B	20,921	50			
BH121, PSS1E	0	0			
BH122, PSS1,4B	0	0			
BH123, PSS1E/EM1E	0	0			
BH126, PEM1E/SS1E	6	0			
BH127, PEM1B/SS1B	79	0			
BH2, PEM1E/SS1E	0	0			
BH124S, Riverine	270	0			











Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.















Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

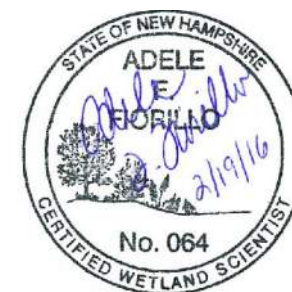
-  Vernal Pool
 -  100' Buffer of Vernal Pools
 -  Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
-  Perennial
 -  Intermittent
 -  Ephemeral
- Stream Centerlines**
-  Perennial
 -  Intermittent
 -  Ephemeral

-
-  LiDAR 10' Contour
 -  LiDAR 2' Contour
 -  USGS 10' Contour
 -  USGS 2' Contour
 - Proposed Conditions**
 -  Proposed Structure - No Permanent Impact
 -  Proposed Structure - Permanent Impact
 -  Proposed New ROW
 -  Proposed Transmission/Distribution Line
 -  Trenched UG
 -  Trenchless UG

-  New Access Route
-  Existing Access Route
-  Temporary Construction Pad
-  Temporary Area of Disturbance - Construction Pad
-  Erosion and Sedimentation Control BMPs
-  Erosion and Sedimentation Control BMPs (Steep Slope)
-  Temporary Wetlands Matting
-  Permanent Impacts - Stations

-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts
- RTE Bars**
-  Animal
-  Vegetation
-  Both

-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard



1 inch equals 100 feet
when printed at 11" x 17"

**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

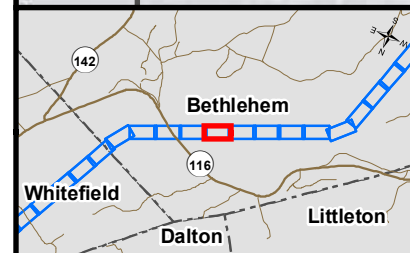
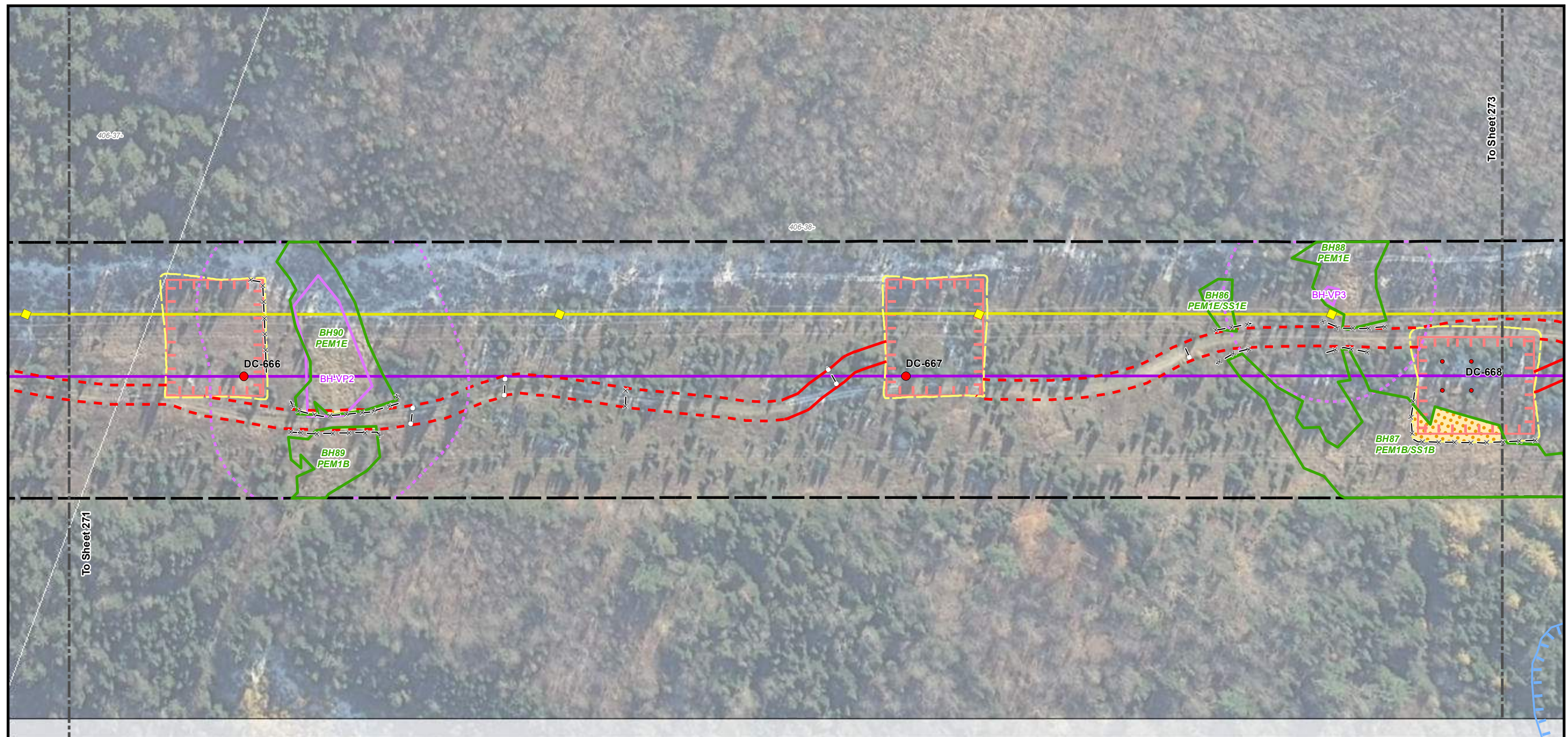
THE NORTHERN PASS PROPOSED ROUTE

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Date: 2/19/2016

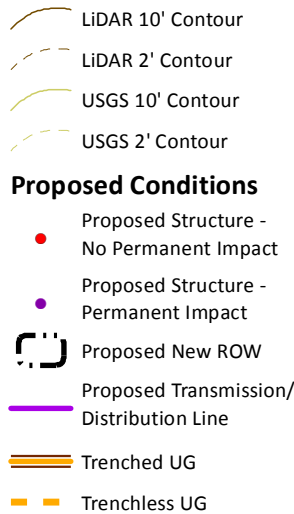
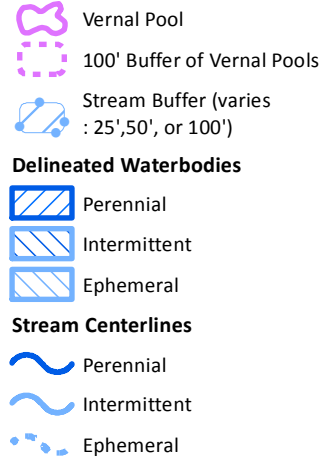
* High Quality Wetland, ^ Corps







Sheet : 271



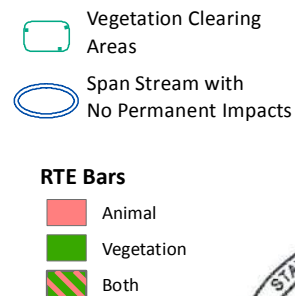
Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

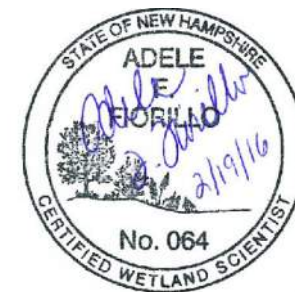


-  New Access Route
-  Existing Access Route
-  Temporary Construction Pad
-  Temporary Area of Disturbance - Construction Pad
-  Erosion and Sedimentation Control BMPs
-  Erosion and Sedimentation Control BMPs (Steep Slope)
-  Temporary Wetlands Matting
-  Permanent Impacts - Stations

1 inch equals 100 feet
when printed at 11" x 17"



-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard



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Section 404/10 Permit Application Plans**

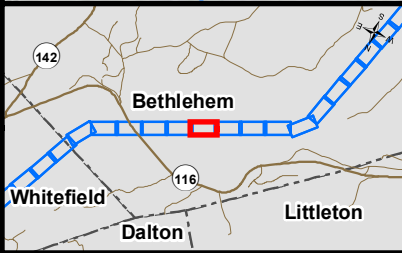
THE NORTHERN PASS PROPOSED ROUTE

Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
BH86, PEM1E/SS1E	14	0	0	0	0
BH87, PEM1B/SS1B	2,438	0			
BH88, PEM1E	17	0			
BH89, PEM1B	113	0			
BH90, PEM1E	229	0			

Date: 2/19/2016

* High Quality Wetland, ^ Corps

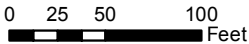
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Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

- Vernal Pool
- 100' Buffer of Vernal Pools
- Stream Buffer (varies : 25',50', or 100')
- Delineated Waterbodies**
 - Perennial
 - Intermittent
 - Ephemeral
- Stream Centerlines**
 - Perennial
 - Intermittent
 - Ephemeral



- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour

Proposed Conditions

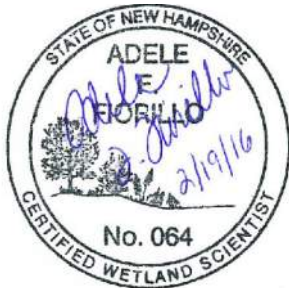
- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG
- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations

1 inch equals 100 feet
when printed at 11" x 17"

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard

RTE Bars

- Animal
- Vegetation
- Both

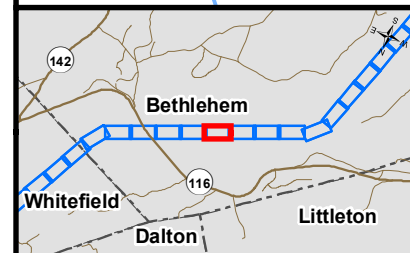
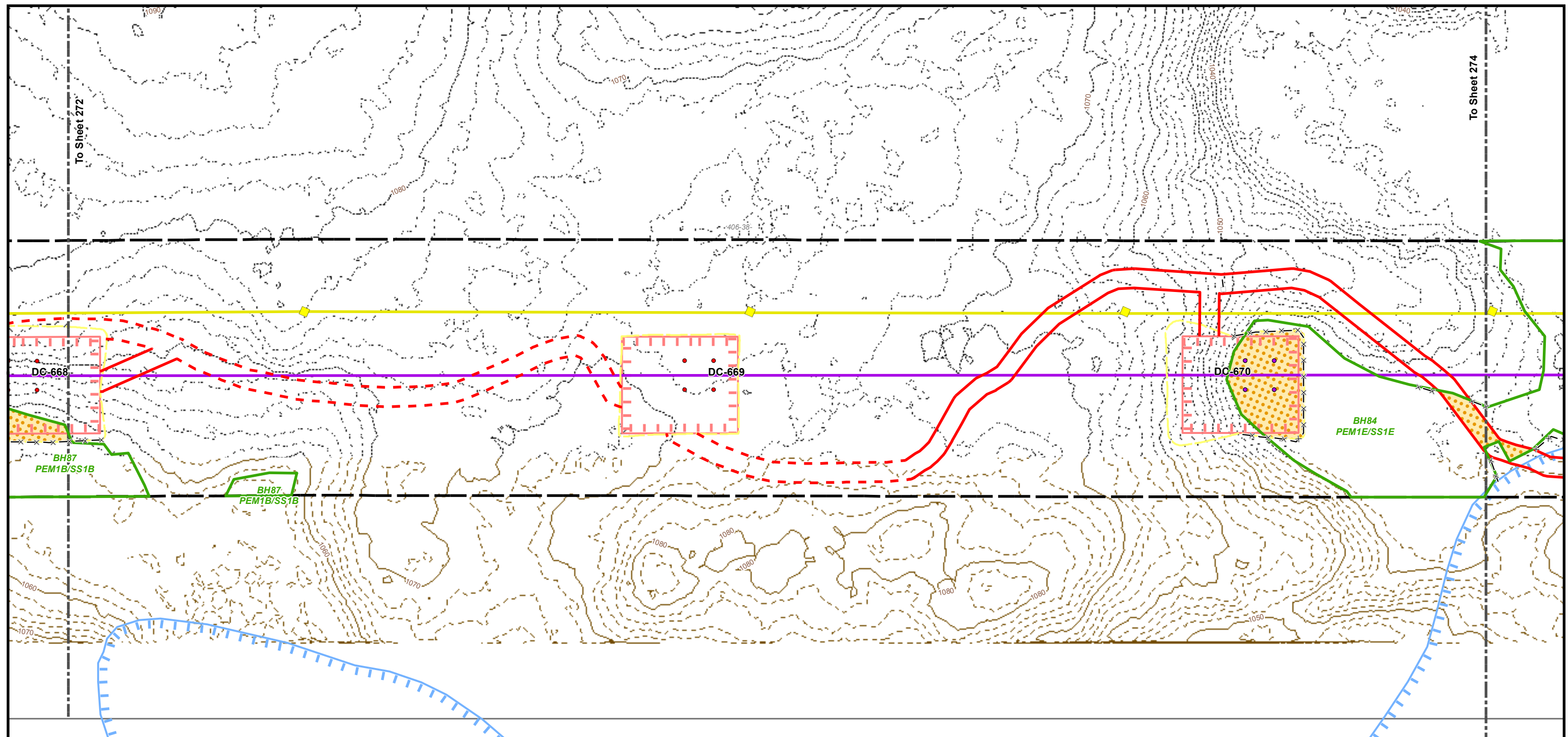


NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans









THE NORTHERN PASS PROPOSED ROUTE




Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
BH84*, PEM1E/SS1E	8,528	50	0	0	0
BH87, PEM1B/SS1B	15	0			

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.






Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

-  Vernal Pool
-  100' Buffer of Vernal Pools
-  Stream Buffer (varies : 25', 50', or 100')



Delineated Waterbodies

-  Perennial
-  Intermittent
-  Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

0 25 50 100 Feet

-  LiDAR 10' Contour
-  LiDAR 2' Contour
-  USGS 10' Contour
-  USGS 2' Contour

Proposed Conditions

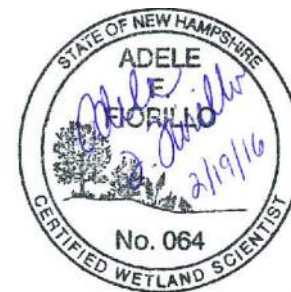
-
- Proposed Structure - No Permanent Impact
 Proposed Structure - Permanent Impact
 Proposed New ROW
 Proposed Transmission/Distribution Line
 Trenched UG
 Trenchless UG
 Erosion and Sedimentation Control BMPs
 Erosion and Sedimentation Control BMPs (Steep Slope)
 Temporary Wetlands
 Matting
 Permanent Impacts - Stations
- 1 inch equals 100 feet
when printed at 11" x 17"

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts

RTE Bars

-  Animal
 Vegetation
 Both

-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard



1 inch equals 100 feet
when printed at 11" x 17"

**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

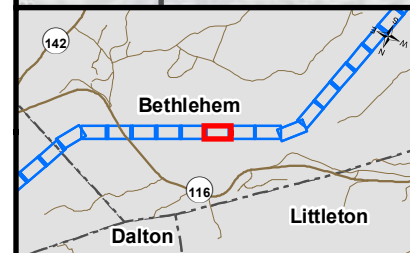
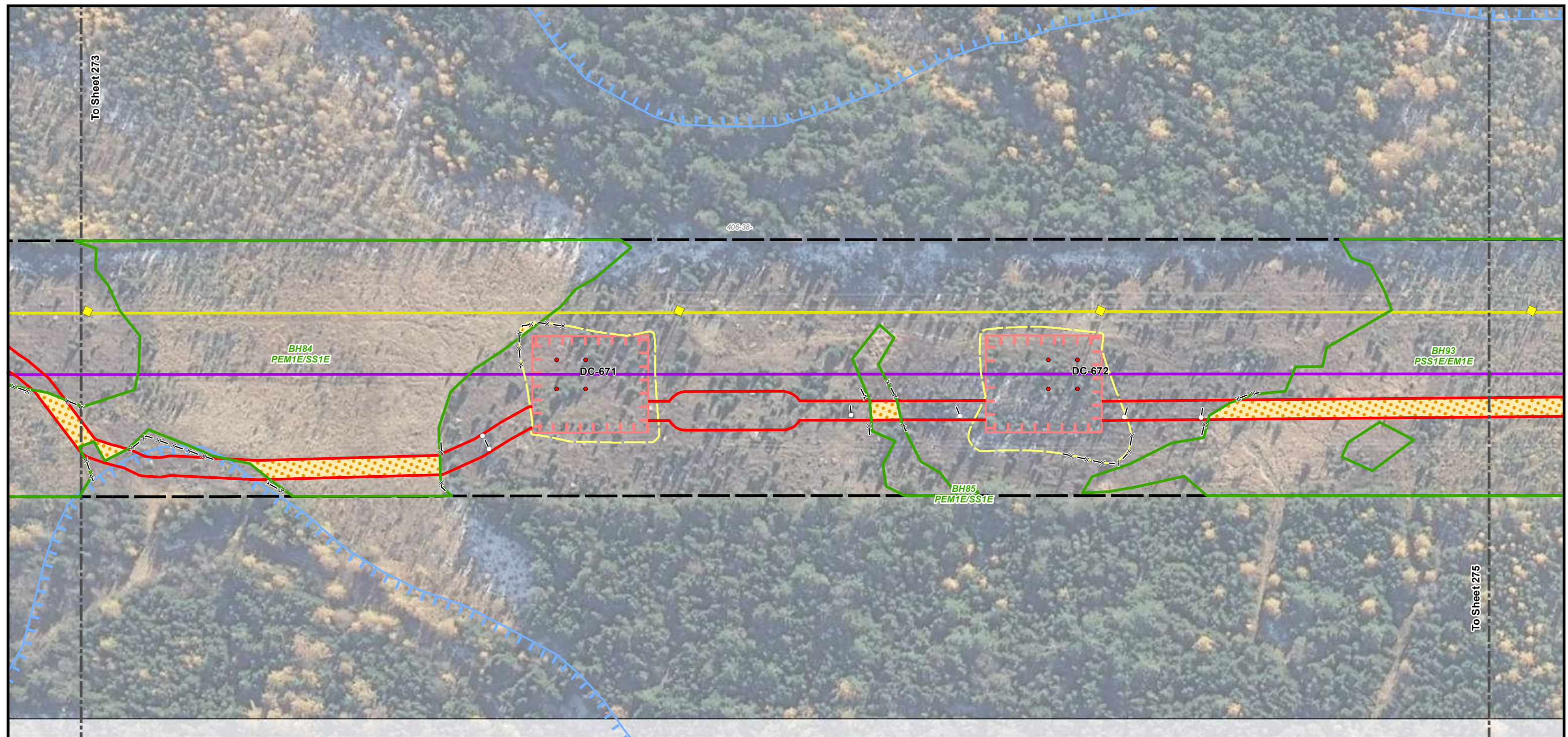
THE NORTHERN PASS PROPOSED ROUTE

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Date: 2/19/2016

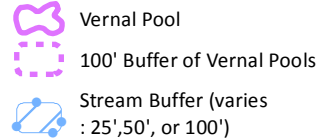
* High Quality Wetland, ^ Corps

Sheet : 273



Existing Conditions

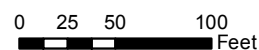
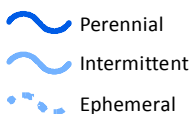
-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands



Delineated Waterbodies

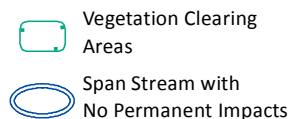


Stream Centerlines

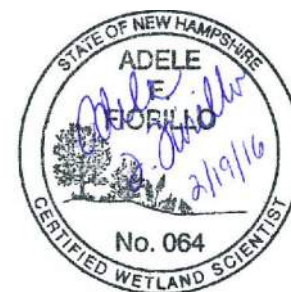


Proposed Conditions

-
- Proposed Structure - No Permanent Impact
 Proposed Structure - Permanent Impact
 Proposed New ROW
 Proposed Transmission/Distribution Line
 Trenched UG
 Trenchless UG
 Erosion and Sedimentation Control BMPs
 Erosion and Sedimentation Control BMPs (Steep Slope)
 Temporary Wetlands
 Permanent Impacts - Stations
- 1 inch equals 100 feet
when printed at 11" x 17"



RTE Bars



1 inch equals 100 feet
when printed at 11" x 17"

**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

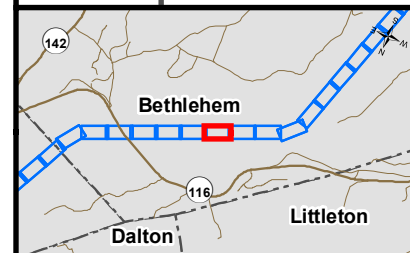
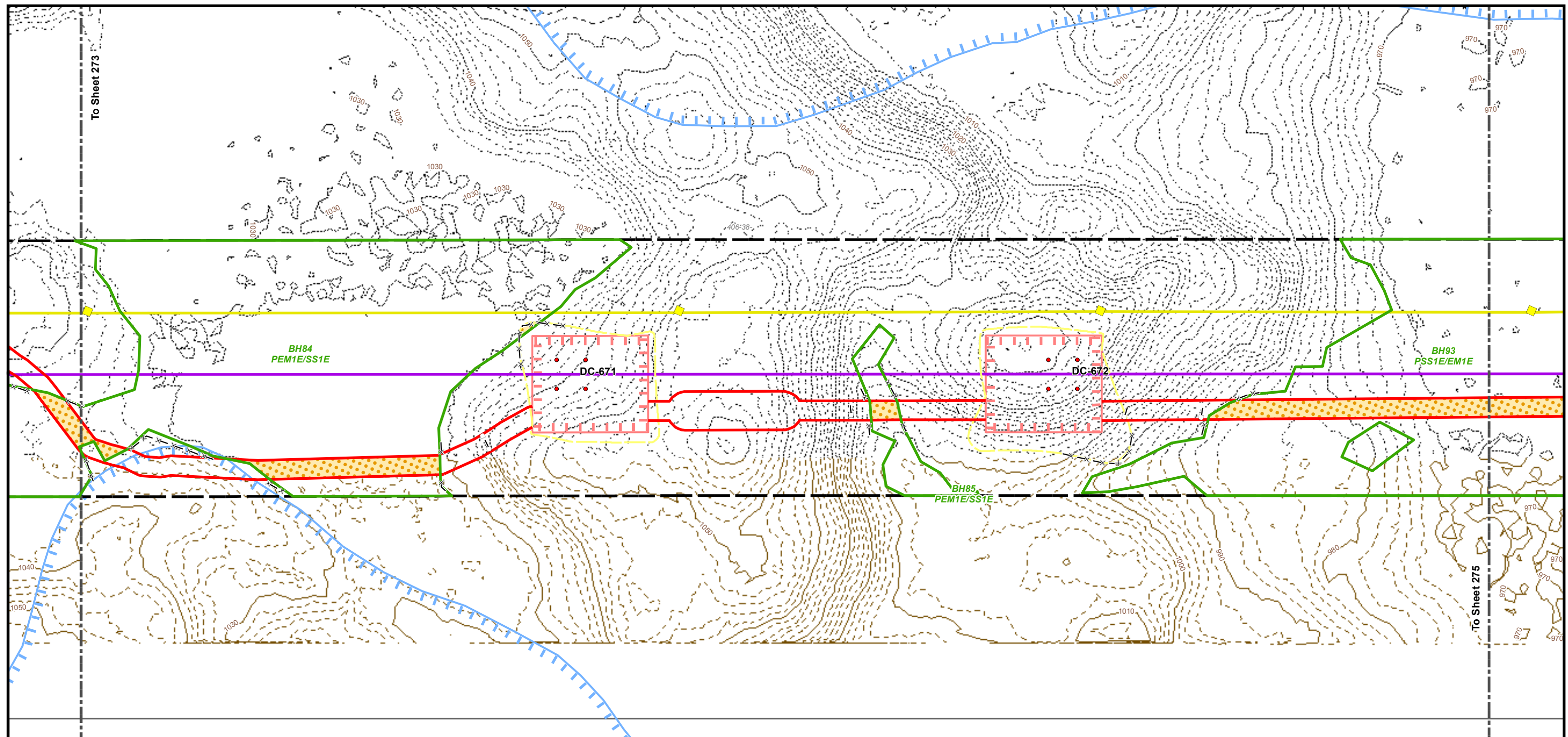
THE NORTHERN PASS PROPOSED ROUTE

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Date: 2/19/2016

* High Quality Wetland, ^ Corps

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Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

 Vernal Pool

- 100' Buffer of Vernal Pool
- Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
- Perennial
- Intermittent
- Ephemeral
- Stream Centerlines**
- Perennial
- Intermittent
- Ephemeral










 LiDAR 10' Contour

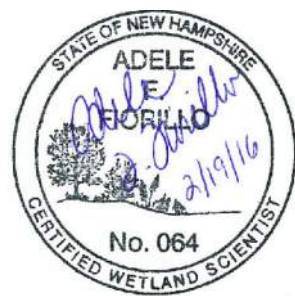
- Proposed Conditions**

 - Proposed Structure - No Permanent Impact
 - Proposed Structure - Permanent Impact
 - Proposed New ROW
 - Proposed Transmission/Distribution Line
 - ▬ Trenched UG
 - ▬ Trenchless UG
 - Existing Access Route
 - Temporary Construction Pad
 - Temporary Area of Disturbance - Construction Pad
 - ↔ Erosion and Sedimentation Control BMPs
 - Erosion and Sedimentation Control BMPs (Steep Slope)
 - Temporary Wetlands Matting
 - Permanent Impacts - Station

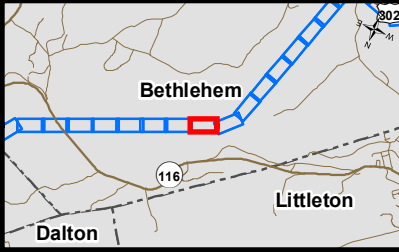
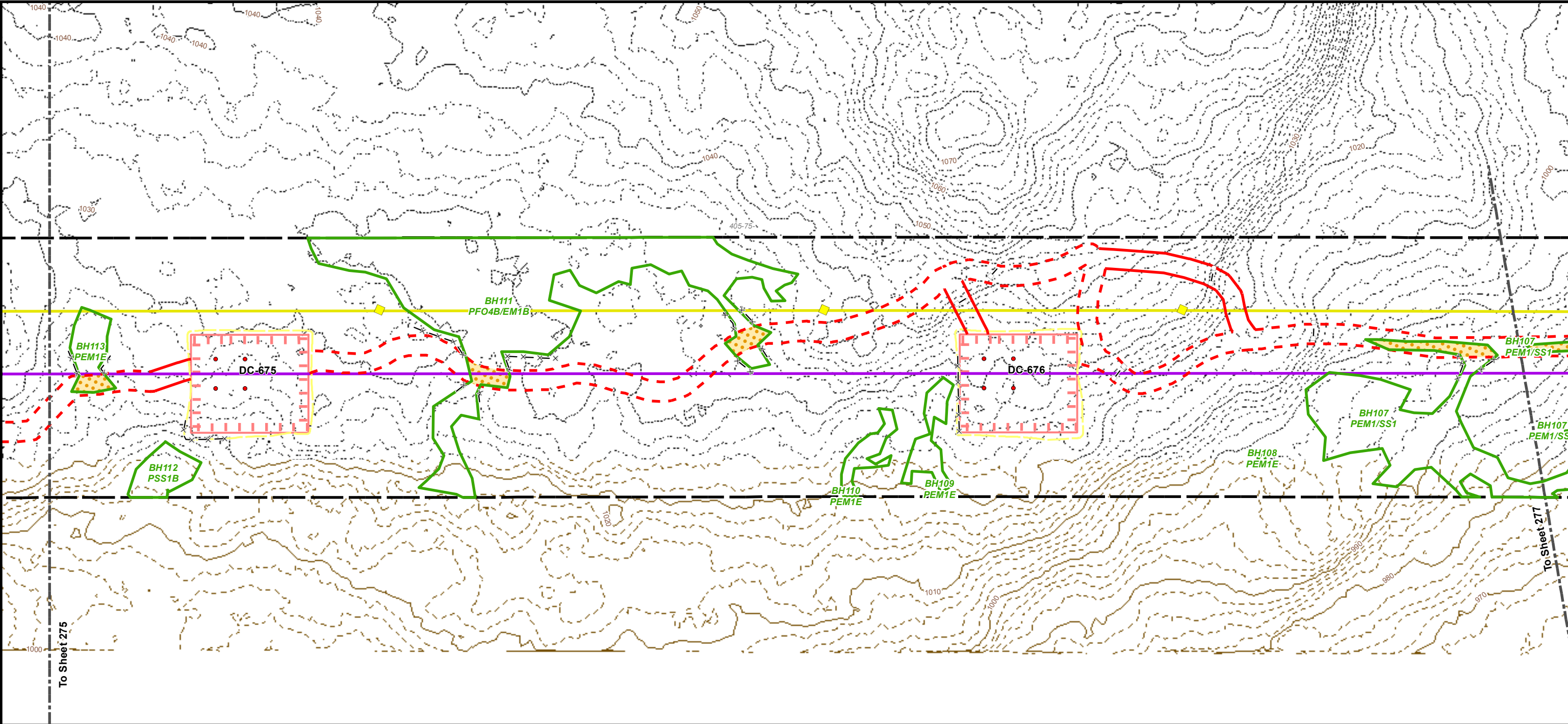
1 inch equals 100 feet
when printed at 11" x 17"

1 inch equals 100 feet
when printed at 11" x 17"

- Legend:**
-  Vegetation Clearing Areas
 -  Span Stream with No Permanent Impacts
 -  UG Disturbance Area
 -  UG Splice Vaults
 -  Lay Down Yard
- RTE Bars**
-  Animal
 -  Vegetation
 -  Both
- 



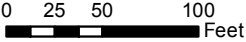
NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount				Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
BH84*, PEM1E/SS1E	4,491	0	0	0	0	
BH85, PEM1E/SS1E	592	0				
BH93*, PSS1E/EM1E	5,579	0				
Date: 2/19/2016	* High Quality Wetland, ^ Corps		Sheet : 274			



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

- Vernal Pool
- 100' Buffer of Vernal Pools
- Stream Buffer (varies : 25',50', or 100')
- Delineated Waterbodies**
 - Perennial
 - Intermittent
 - Ephemeral
- Stream Centerlines**
 - Perennial
 - Intermittent
 - Ephemeral



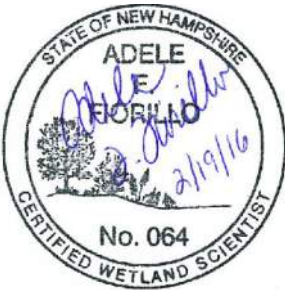
- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG
- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations

1 inch equals 100 feet
when printed at 11" x 17"

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard
- RTE Bars**
 - Animal
 - Vegetation
 - Both

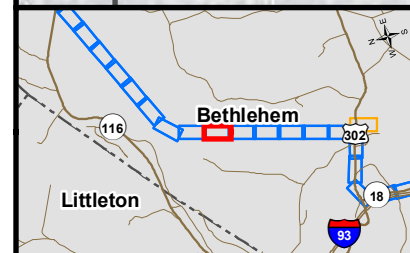
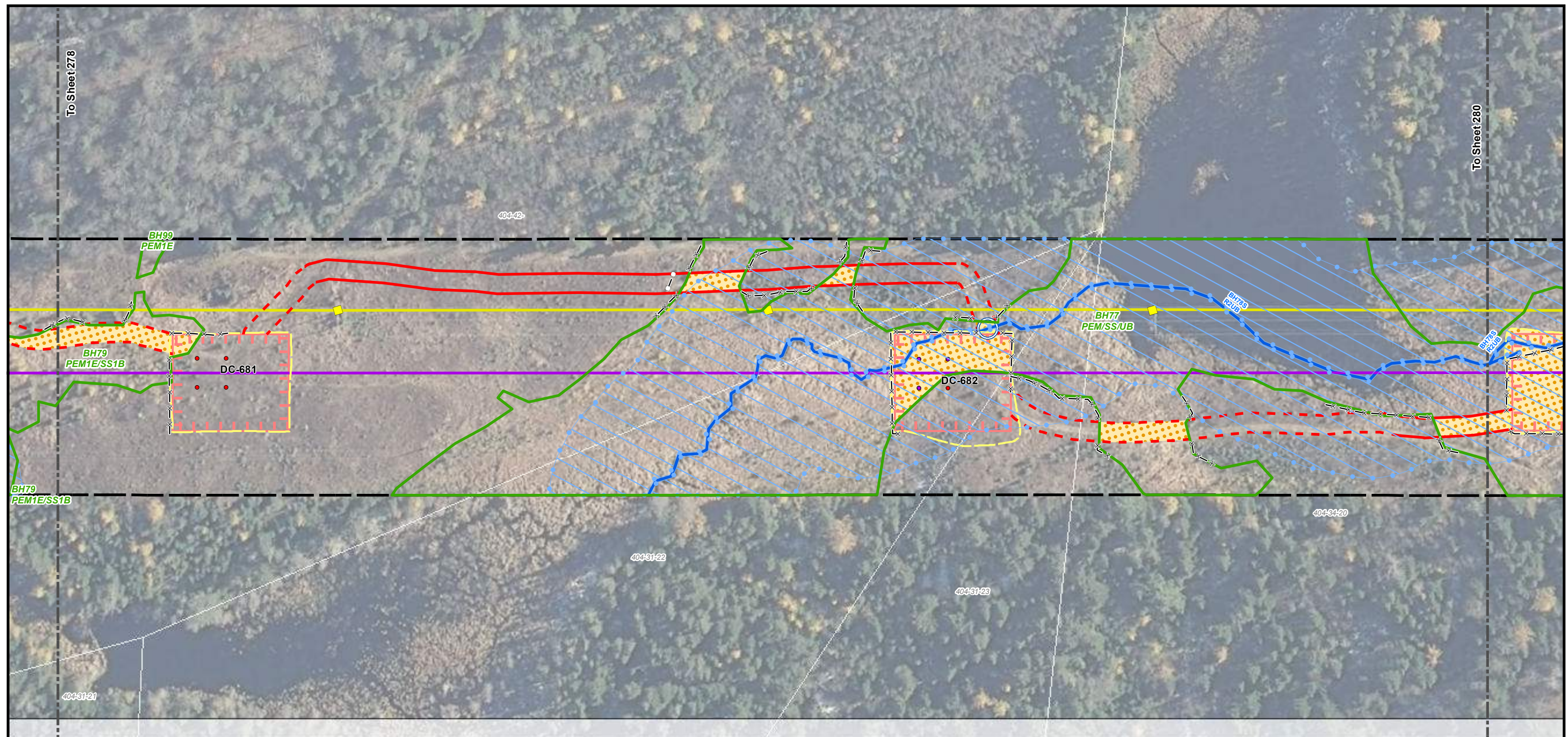


NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans









THE NORTHERN PASS PROPOSED ROUTE




Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
BH107, PEM1/SS1	1,296	0	0	0	0
BH108, PEM1E	0	0			
BH109, PEM1E	0	0			
BH110, PEM1E	0	0			
BH111, PFO4B/EM1B	1,484	0			
BH112, PSS1B	0	0			
BH113, PEM1E	600	0			

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.






- ## Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands





-  Vernal Pool
-  100' Buffer of Vernal Pools
-  Stream Buffer (varies : 25', 50', or 100')

- ### Delineated Waterbodies

-  Perennial
-  Intermittent
-  Ephemeral

- ### Stream Centerlines

- Perennial
- Intermittent
- Ephemeral





-  LiDAR 10' Contour
-  LiDAR 2' Contour
-  USGS 10' Contour
-  USGS 2' Contour

- ### Proposed Conditions


- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact


- Proposed New ROW
Proposed Transmission/
Distribution Line

- Trenched UG
 Trenchless UG

-  New Access Route
-  Existing Access Route
-  Temporary Construction Pad
-  Temporary Area of Disturbance - Construction Pad



- × — × — Erosion and Sedimentation Control BMPs

-  Erosion and Sedimentation Control BMPs (Steep Slope)

-  Temporary Wetlands
Matting

- Permanent Impacts - Stations**

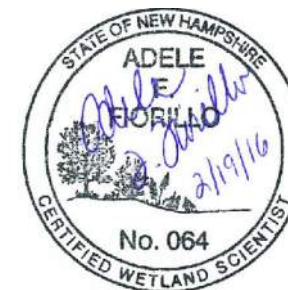
1 inch equals 100 feet
when printed at 11" x 17"

-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts

- ### RTE Bars

-  Animal
 Vegetation
 Both

-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard



**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

THE NORTHERN PASS PROPOSED ROUTE

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Date: 2/19/2016

* High Quality Wetland, ^ Corps

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